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January 1956.

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p. 482 (Vestnik) Vol 4 no 9 1957. Praha, Czechoslovakia.'

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p. 296 (Energia Es Atomtechnika) Vol. 10, no. 5/6, Aug. 1957
Budapest, Hungary

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

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Praha) (Vol. 30, No. 2, Feb. 1957)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, No. 7, July 1957. Uncl.

POLANSKY, B.

"Selection techniques applies in the cultivation of forest growths."

VESTNIK. Praha, Czechoslovakia, Vol. 5, No. 7/8, 1958.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.

Unclassified.

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Economical direction of boiler heating by applying a steam-air quantity-proportion measuring instrument. p. 549.

ENERGIA ES ATOMTECHNIKA. (Energiagazdalkodasi Tudomanyos Egyesulet)
Budapest, Hungary, Vol. 11, No. 9/10, Sept./Oct. 1958.

Monthly list of East European Accessions (EEAJ) LC, Vol. 8, No. 7, July 1959.
Uncla.

POLANSZKY, Bela

Report on the activity of the Soviet scientific society
for power economy. Energia es atom 16 no.12:549 D '63.

POLANSKY, Bela

Power economy through the automation of water supply of
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POLANSKY, Bela

Boiler drum water level indicators with electrical system. Energia es
atom 15 no.3:127-129 '62.

1. Orszagos Energiagazdalkodasi Hatosag

CZECHOSLOVAKIA

POLANSKY, F., Docent Dr.

Tuberculosis Ward KUNZ-KNV of the Central Bohemian
District (Tuberkulozni oddeleni KUNZ-KNV
Stredoceskeho kraje), Prague-Veleslavin

Prague, Rozhledy v tuberkulose, No 4, 1963, pp 273-
276

"Analysis of Sources of Tuberculous Infection in
the Central Bohemian District in 1960"

CZECHOSLOVAKIA

POLANSKY, F.

Tuberculosis Ward KUNZ-KNV of the Central Bohemian
Region (Tuberkulozni oddeleni KUNZ-KNV Stredoceskeho
kraje), Prague-Veleslavin

Prague, Rozhledy v tuberkulose, No 2, 1963, pp 106-116

"Tuberculosis Mortality in the Central Bohemian Region
for the 1956-1960 Period."

POLANSKY, F.

Prevalence of tuberculosis in the central area of Bohemia.
Cas.lek.cesk. 103 no.2:45-49 10 Ja'64.

1. II. Klinika tuberkulozy fakulty vseobecneho lekarstvi KU
v Praze; prednosta: doc.dr. F.Polansky.

*

POLANSKY, Fr., MUDr.

Problem of field anti-tuberculosis centers. Cesk. zdravot. 4 no.11:
649-653 Nov 56.

1. Krajsky ftiseolog, KUNZ Praha.
(TUBERCULOSIS, prevention and control,
in Czech., field centers (Cz))

2(3)

PHASE I BOOK EXPLOITATION

CZECH/2357

Polanský, František, Doctor, Engineer, Professor at the Antonín Zápotocký Military Engineering Academy.

Vnitřní balistika děl (Interior Ballistics of Guns) Praha, Nase vojsko, 1958.
440 p. (Series: Velka vojenska knihovna, sv. 76) 600 copies printed.

No other contributors mentioned.

PURPOSE: The book is intended for students of the Antonin Zapotocky Military Engineering Academy and for specialists in the field of ballistics.

COVERAGE: The book covers in detail the interior ballistics theories of Soviet professor Drosdov, and of the French ballistics expert, Sugot. The author's purportedly new method, which he calls "the quadratic arc-by-arc method" is claimed to be as exact as the Drosdov or the Sugot method, and at the same time much simpler. The planned second part of this book will contain empirical methods used in interior ballistics, various measurements and examples taken from practice. The author thanks Engineer Jaroslav Kadlec, Engineer Jaroslav Pantoflicek, Docent of the Vysoké školy chemiko-technologické (Higher School of Chemical Technology) in Pardubice, and Alois Farlik, professor at the Vojenská technická akademie Antonína Zápotockého (Antonín Zápotocký Military Engineering Academy).
Card 1/9

Interior Ballistics of Guns

CZECH/2357

Academy). There are 20 references: 8 Czech, 6 French, 3 German, 2 Russian, and 1 English.

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X1 2
POLÁNSKÝ, F., MU Dr; DYMER, O; URBANČÍK, B.

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Prague (Tuberkulózní oddělení KUNZ KHV Středo-
českého kraje -- Praha); Chief: F. POLÁNSKÝ, MU Dr.
- (for all)

Prague, Rozhledy v tuberculóse, No 10, 1962, pp 740-
743

"Evaluation of Pulmonary Tuberculosis Incidence in
the Central Bohemian (Prague) Kraj for the First
Half-Year 1961."

25

CZECHOSLOVAKIA

POLANSKY, F, Docent Dr; VIHAN, R; VODRAZKOVA, A.

Second Clinic of Tuberculosis of the Faculty of General
Medicine of KU (II. klinika tuberkulozy fakulty vseobec-
neho lekarstvi KU), Prague (for all)

Prague, Rozhledy v tuberkulose, No 8, 1963, pp 563-568

"Resistance Against Major Antituberculosis Drugs in Cases
of Relapse of Pulmonary Tuberculosis."

MOSTECKY, H.; POLANSKY, F.; STASTNY, B.

Experiences with a regional pneumonological center for diagnosing lung cancer. Cas.lek.cesk.103 no.10:264-267 6 Mr.'64.

1. II.tuberkulozni klinika fakulty vseobecneho lekarstvi KU v Praze; prednosta: doc.dr.F.Polansky.

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Prague, Rozhledy v tuberkulose a v nemocech plicnich, No 8,
Sep 62, pp 612-615.

"On the Classification of Patients with Pulmonary TB with
Regard to Priority Care".

Co-authors:

DYMER, O., MAUREROVA-HUBACKOVA, F.; KUNZ-KNV Tuberculosis Section
of the Central Bohemian Kraj.

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POIANSKY, Frantisek

Tuberculosis department of the regional hospital; the regional center for tuberculosis control. Cesk. zdravot. 6 no.10:573-577 Oct 58.

1. Tuberkulosni oddeleni Krajske nemocnice, KUNZ Praha.
(TUBERCULOSIS, prev. & control
in Czech. regional hosp. (Cz))

POLANSKY, Jindrich

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6 no. 3:90 Mr '64.

POLANSKY, J. ; DOBES, M.

Gravimetric measurements in the Kladno-Slany-Rakovnik.

P. 55, (Geofyzikalni Sbornik) Ceased publication. No. 36/60, 1956 (Published 1957)
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957

POLANSKY, Milos

Some problems and conditions of the development of automation. Pod org 17 no.10:433-440 0 '63.

1. Reditel Zavodu prumyslove automatizace.

Distr: 4E2b(b)/4E2b(v)/4E2c(m)/4E2d(v)/4E3a(w)/4E3b/4E3c 2 cys

✓ Extraction of cesium²⁷ from aqueous solutions by means of the solution of dipicrylamine in nitrobenzene. M. Kyř, J. Pelíšek, and P. Polanský (Vojenská akad. A.Z., Brno, Czech.). *Collection Czechoslov. Chem. Commun.* 25, 2842-50(1960)(in German).—Cs may be effectively extd. from aq. alk. solns. by means of PhNO₂ in the presence of dipicrylamine. The factors affecting the Cs distribution in both phases are studied and the optimum conditions are detd. for a rapid sepn. of the Cs from most of the long-life fission products and from greater amts. of U. E. Erdős.

4
MSC(JD)(JG)
8

26275

Z/038/61/000/003/003/003
A201/A126

The use of vibrations in the investigation of...

radioisotope) for 16 hours prior to the experiment. A vibrating table was used for the agitation of the solution during the adsorption on the samples. The vibrations of the table were produced by an electromagnet fed from a.c. line. On the table were placed crystallization dishes with 50 milliliters (ml) of the working solution with Pr-143, and a series of 7 samples. The solution with the samples was agitated either by vibrations (100 oscillations/sec) with an amplitude of ~0.1 mm, or by a magnetic agitator (150 rpm); at times, it was left undisturbed. A control solution with samples was agitated in Erlenmeyer flasks by a flutter mixer (2.5 oscillations/sec, 12 mm amplitude). After the preselected adsorption time the filter-paper and wool-fabric samples were quickly rinsed three times in 1 ml of 96% ethanol, using a suction cup to remove the superfluous radioactive solution. The rubber and Silon samples were rinsed by successive submerging in three dishes with 96% ethanol for 3 - 5 seconds. Previous checks had shown that 96% ethanol does not cause desorption of Pr-143 from the sorbents during such a short time. After drying the samples, beta activity on either side of each sample was measured by a beta counter with a window mass of 1.54 mg/cm². The percentage of the isotope adsorption was calculated from the activity ratio on 1 cm² of the sample geometric surface to the activity of 1 ml of the working solution. The pH number of the so-

Card 2/4

26275

Z/038/61/000/003/003/003

A201/A126

X

The use of vibrations in the investigation of...

are 2 figures, 1 table and 2 Soviet-bloc references.

ASSOCIATION: Vojenská akademie Antonína Zápotockého, Brno (Antonín Zápotocký
Military Academy, Brno)

Card 4/4

POLANSKY, Rudolf, inz.

Measurement of rolling pressure in alloy steel rolling. Hut listy 16
no.6:427-428 Je '61.

1. Zdarske strojirny a slevarny.

Polansky, Z.

Present problems in the organization of wages. p. 193. HUTNIK.
(Ministerstvo hutního průmyslu a rudných dolů) Praha. Vol. 4,
no. 7, July 1954.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

POLANSZKY, B.

What kind of automatic-combustion regulator is used in the Soviet Union. p.207.

ENERGIA ES ATOMTECHNIKA. Budapest, Hungary. Vol. 12, no. 4, Apr. 1959.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959
Uncl.

FOLANSZKY, Bela

Fundamentals of the division of labor and cooperation of the
Council of Mutual Economic Assistance countries in the fuel
industry. Energia es atom 17 no.5:234-235 My '64.

POLANSZKY, Bela

Soviet scientific book and periodical display in the House
of Technology, Budapest. Energia es atom 14 no.1:28-30 Ja '61.

POLANSZKY, Bela

More important guiding principles for developing the heat supply
of industrial plants and dwelling houses. Ipari energia 5 no.8:
189-190 Ag '64.

POLANSZKY, Bela

"Technical thermodynamics" by M.P. Vukalovics [Vukalovich, M.P.].
I.I. Novikov. Reviewed by Bela Polanszky. Energia es atom 16
no.12:538 D '63.

POLANSZKY, Bela

Increasing the economical efficiency of distance heating.
Ipari energia 4 no. 7: 162 J1 '63.

POLANSZKY, Bela

Mercury vapor rectifying valve for phase correction.
Ipari energia 2 no.7:156 JI '61.

POLANSZKI, Bela

Scientific and technical conference dealing with the improvement
of the economy of industrial power plants. Ipari energia 3
no.6:126 Je '62.

POLANSZKI, Bela

Closing the debate on the perspectives of the development of
long-distance heat supply. Ipari energia 3 no.6:140 Je '62.

POLANSZKY, Bela

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Use of watered fuel oils. Energia es atom 14 no.3:138
Mr '61.

POLANSZKY, Bela

"Preliminary guide to the operation of boilers of industrial enterprises." Reviewed by Bela Polanszky. Energia es atom 14 no.1:31 Ja '61.

LEVIKOV, P.M.; KAPLINA, Ye.G.; POLANUYER, G.G.

Coke-chemical dicyclopentadiene. Koks i khim. no.11:43-47 '61.
(MIRA 15:1)

1. Moskovskiy koksogazovyy zavod.
(Dicyclopentadiene) (Coke industry--By-products)

POLANYANNYY, I.R.; SYBOYEV, I.I.

Investigating the cementation of antimony and arsenic from
alkali-sulfide solutions. Trudy Inst. met. i obog. AN Kazakh.
SER 8:57-64 '83 (MIRA 17:8)

CZECHOSLOVAKIA/Chemical Technology. Chemical Products and
Their Application. Fats and Oils. Waxes. Soap.
Detergents. Flotation Reagents.

H

Abs Jour: Ref Zhur-Khim., No 13, 1958, 44733.

Author : Ullrich L , Polanyi E.

Inst :

Title : Natural Dyes for Fats.

Orig Pub: Prumysl potraviny, 1955, 6, No 7, 331-335.

Abstract: A discussion of the use of natural dyes and synthetic azo dyes for margarine and of their effects on the organism. Tests of dyes isolated from by products of rose hips and red peppers have demonstrated their good quality.

Card : 1/1

CZECHOSLOVAKIA

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Veleislav; Director: F. POLANSKY, Doc. Dr.

Prague, Rozhledy v tuberkulose a v nemocech plicnich, No 8,
Sep 62, pp 612-615.

"On the Classification of Patients with Pulmonary TB with
Regard to Priority Care".

Co-authors:

DYMER, O., MAUREROVA-HUBACKOVA, F.; KUNZ-KNV Tuberculosis Section
of the Central Bohemian Kraj.

(3)

PESTI, Dönes, villamos mernok; POLANSZKY, Eduard, villamos mernok

Electropneumatic signal converter. Marsa automat 12 no.12;
386-387 '64.

1. Measuring Instruments Factory, Budapest.

POLANUYER, M.D.

Theory of the moon's physical libration. Biul.Inst.teor.astron. 9
no.8:550-568 '64. (MIRA 17:12)

POLANUYER, M.D.

Determining the constants of the physical libration of the moon.
Biul. Inst. teor. astron. 10 no.3:230-235 '65.

(MIRA 18:8)

L 46876-66 EWT(1) GW

ACC NR: AR6016281

SOURCE CODE: UR/0269/66/000/001/0015/0015

AUTHOR: Polanuer, M. D.

TITLE: Determination of the constants of the physical libration of the moon

SOURCE: Ref. zh. Astronomiya, Abs. 1.51.107

REF SOURCE: Byull. In-ta teor. astron. AN SSSR, v. 10, no. 3, 1965, 230-235

TOPIC TAGS: moon, lunar motion, lunar crater

ABSTRACT: A series of positions of the crater Moesting A relative to the observed edge of the lunar disk was measured to find the parameters of the physical libration. After completing all the necessary reductions the process of observation analysis leads to two basic steps: a) determination of the position of the crater relative to the observed center of the lunar disk; b) determination of the desired parameters. K. Koziel has shown that the separate calculations of the first and second steps lead to an incorrect determination of the desired magnitudes because of not considering the weights of the intermediate unknowns and has proposed a new method of analysis. However, this method, in fact, preserves the deficiencies of the old methods. In the present article relations between the quantities determined from observations and the desired quantities are derived, which permits avoiding the determination of auxiliary unknowns in the analysis process and thereby producing the analysis in one step. Bibliography of 6 citations. Resume /Translation of abstract/

Card 1/1 SUB CODE: 03

UDC: 521.151.4:523.33

LEBEDEVA, G.N.; BURMISTRENKO, L.A.; KOLODYAZHNYI, I.V.; KAPLINA, Ye.G.;
POLANUYER, O.G.; KULIK, I.P.

Recovery of pure ammonium sulfate in case of processes using
Glover acid. Koks i khim. no.9:42-45 '63. (MIRA 16:9)

1. Vostochnyy uglekhimicheskiy institut (for Lebedeva, Burmistrenko).
2. Moskovskiy koksogazovyy zavod (for Kolodyazhnyy, Kaplina,
Polanuyer, Kulik).

(Ammonium sulfate)
(Coke industry—Equipment and supplies)

POLANYI, Laszlo

Experiences with mixed asphalt pavement constructions. Melyepitestud szemle 12 no.1:20-24 Ja '62.

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

COMMON ELEMENTS

OPEN

MATERIALS INDEX

2

The theory of chemical reactions. M. POLANYI. *Uspekhi Khim. (Progress Chem. (U. S. S. R.))* 1, 345-60(1932).—A review.

P. H. RATHMANN

ASM-A6 METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

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Test of "tunnel" theory of heterogeneous catalysis on hydrogenation of styrene. E. Charnin and M. Patai (J. physical Chem., 1952, 56, 19, 445-446). If the hydrogenation occurs through the "tunnel effect" (A. 1952 28, 570) the velocity should be much smaller for the heavier than for the lighter H isotopes, and what almost all the H has reached the heavier isotopes should be seen in the reaction. Experiment has failed to reveal such results. Measurement of the displacement of the isotopic ratio in each experiment would make it possible to decide whether the motion of the atoms in chemical reactions could be represented by the equations of motion of classical mechanics or there were appreciable quantum-mechanical deviations. R. C.										2-1									
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1ST AND 2ND ORDER										3RD AND 4TH ORDER									
PROCESSES AND PROPERTIES INDEX																			
1A										2									
Atomic reactions. M. Polanyi. <i>Uspehi Khim.</i> 2, 412-4 (1953).--Reaction of Na with halogens, halogen acids and alkyl halides, and the inversion of optical activity in ionic reactions are discussed from a kinetic standpoint. Cf. C. A. 47, 801. P. H. M.																			
450-55A METALLURGICAL LITERATURE CLASSIFICATION																			
1ST ORDER										2ND ORDER									
1ST ORDER										2ND ORDER									

SA

4709. Adsorption and Capillary Condensation. M. Polanyi.
Phys. Zeits. d. Sowjetunion, 4, 2, pp. 144-154; *Disc.*, 154-155, 1933.—
 The question of the mechanism of the condensation of vapours in the pores
 of adsorbent charcoal is discussed. From the experimental data, the con-
 clusion is deduced that the condensation of gases and vapours on porous
 substances is to be regarded mainly, not as capillary condensation, but as
 true adsorption. The potential theory in its present form appears to
 furnish the most approximate means of explaining the phenomena. The
 swelling of carbon during adsorption is considered. T. H. P.

ASD-SEA METALLURGICAL LITERATURE CLASSIFICATION

CLASS	SUBCLASS	NUMBER	DATE	REMARKS
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
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7	7	7	7	7
8	8	8	8	8
9	9	9	9	9
10	10	10	10	10
11	11	11	11	11
12	12	12	12	12
13	13	13	13	13
14	14	14	14	14
15	15	15	15	15
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PC-8041, 10.
Nuclear Sci abs vs
1-31-54
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FORM OF LATTICE DISTORTION THAT MAY RENDER
A CRYSTAL PLASTIC. M. Polanyi. Translated by
Margaret V. Colven from Z. Physik 89, 660-4(1934). 5p.
(AEC-tr-1741)

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6-11-54

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Ca The basis of a theory of proton transfer. Electrolytic dissociation; prototropy; spontaneous ionization; electrolytic evolution of hydrogen; hydrogen ion catalysis. J. Horiuchi and M. Polanyi. <i>Acta Physicochim. U. R. S. S. 2</i>, 505-52 (1935). A review based on the work of Ogg and P. Dignel, Lowry, Ingold, etc. Thirty-three references. M. P. 14 Right																																																			
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POLANYI, Tibor

Editing the periodical Banyaszati Lapok. Bany lap 94 no.10:
700-709 0 '61.

1. A Banyaszati Szakosztaly vezetosegenek es a Banyaszati Lapok
szerkeszto bizottsaganak tagja.

BOGDASHIN, A.S.; BOGORODSKIY, A.A.; VINGARIT, M.B.; GORBUNOV, V.I.;
GORBUNOV, V.R.; DUKOV, V.K.; YERMAKOV, A.L.; IVANOV, A.A.;
KARAKOVA, N.I.; KOBILYAKOV, L.M.; KOZLOVSKIY, N.I.; MARAKHTANOV,
K.P.; MIRUMYAN, G.N.; NECHETOV, G.P.; NOVIKOV, A.G.; OL'KHOVSKIY,
K.I.; PESTRYAKOV, A.I.; POLAPANOV, A.V.; SKLYAREVSKAYA, Ye.Kh.;
SOLDATANKOV, S.I.; SOROKIN, Ye.M.; TRUSHINA, Z.V.; FEDOROV, P.F.;
FEDOSEYEV, A.M.; FROG, N.P.; SHAMAYEV, G.P.; YANOVSKIY, V.Ya.;
ORZKHOV, A.D., spetsred.; DEYEVA, V.M., tekhn.red.

[Handbook on new agricultural machinery] Spravochnik po novoi
tekhnike v sel'skom khoziaistve. Moskva, Gos.izd-vo sel'khoz.
lit-ry, 1959. 364 p. (MIRA 13:2)
(Agricultural machinery)

POLAPOV, V. P.

R/S
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Voprosy Ratsionalizatsii Perevozok
Vazhneyshikh Grozov; Sbornik Statey (Problems in Improving the Efficiency
of Transporting Priority Freight) POD RED. V. P. Polapov, I B. I. Shafirkin.
Moskva, Transzheldorizdat, 1957.
270 P. Tables.

IEA

POLARIK, Z.

COUNTRY : Czechoslovakia
CATEGORY :

C

ABS. JOUR. : RZhKhim., No. 20 1959, No. 71026

AUTHOR : Okac, A.; Polarik, Z.

INST. :

TITLE : Potentiometric Studies of Complex Salts of
Kojic Acid in Aqueous Solutions.

ORIG. PUB. : Collect. Czechosl. Chem. Commun., 1959,
24, No 1, 266-272

ABSTRACT : See RZhKhim, 1958, No 17, 57009.

CARD:

6

CA

11B

Pregnanediol determination and some values in pregnancy. F. Poláček and V. Zelenka. *Cd. Gynark.* 13, 430-49(1948).--A modification of Huber's (C.A. 42, 3015i) chromatographic method for pregnanediol detn. is described. It consists in double extn. and in purification of the product by acetone pptn., which results in nearly pure Na pregnanediol glucuronide. The modification is precise and quick (3 hrs. for 0.15 mg.). Comparison of this test with the Friedmann reaction showed the pregnanediol-excretion-test to be reliable as a pregnancy-test only in the later stages of pregnancy, as during the 1st and 2nd months values approximate those of the normal secretory phase of the menstrual cycle. Twenty-five detns. in 10 cases of normal pregnancy showed normal values, though cases receiving progesterone prophylactically showed increased values. Twenty-eight detns. in 27 cases of abnormal pregnancy showed: (1) normal values in ectopic pregnancy and hydatid mole (2 cases each); (2) frequently lowered values in cases of threatened abortion or premature birth; (3) much lower values in complete abortions and premature births; (4) in cases of intrauterine death, lowered values at the 2nd control examn. indicative of impending delivery; (5) lower values in pre-eclamptic toxemia. B. A.

S/145/62/000/007/002/003
D262/D308AUTHOR: Polasatkin, G.D., Candidate of Physical and Mathem-
atical Sciences

TITLE: Wearing qualities of rotating wire dies

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Mashinostroy-
eniye, no. 7, 1962, 169-171

TEXT: The resistance to wear of hard alloy wire die, rotat-
ing about its axis, during copper wire drawing is analyzed. The
hard alloy wire die made of BK 8 (VK8) used for experiments, rotated
at speeds varying from 1000 to 4000 rpm, at a drawing speed of
8 m/sec. The drawing load was determined by the degree of deforma-
tion of the spring, measured by the indicator. The length of the
drawn wire for 1 micron of wear of the calibrating section of the
wire die was adopted as the wear criterion. The results of experi-
ments with 168 wire dies (84 rotating and 84 nonrotating) indicate
that for rotating wire dies resistance to wear increased by approx.
20%. A considerable decrease of drawing load can be obtained if the

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Card 1/2

VELEV, Vladimir; KHAIN, Vladimir; POLASEK, Adolf

Is the centralization of clicking operations economical?
Kozarstvi 13 no.2:52-53 F '63.

1. Vyrobní hospodarska jednotka Svit, Gottwaldov.

KRALIK, Josef; POLASEK, Bohumil

A new method for determining the fineness of betonite grinding.
Slevarenstvi 11 no.1:34-36 Ja '63.

1. Statni vyzkumny ustav materialu a technologie, Brno.

POLASEK, F.

CZECHOSLOVAKIA

2

LANDAU, J; PROCHAZKA, J; POLASEK, F.

1. Institute of Chemical Process Fundamentals; 2. Czechoslovak Academy of Science and Department of Chemical Engineering; 3. Institute of Chemical Technology, Prague - (for all)

Prague, Collection of Czechoslovak Chemical Communications,
No 5, 1963, pp 1093-1101

"Studies on Mixing. XV. Effect of Directing of Flow on the Homogenization of Miscible Liquids by Rotary Mixers."

POLASEK, F.

Preventive administration of vitamin B₁ and K in pregnancy and its influence on uterine contractions. Cesk.gyn. 15 no.3:161-176 '50. (CIML 19:3)

1. Of the Second Obstetrical Clinic (Head -- Prof. J.Lukas, M.D.) and the Third Obstetrical Clinic (Head -- Prof. J.Trapl, M.D.) both of Charles University in Prague.

POLASEK F.

Ucinek acetylcholinu, adrenalinu a histaminu na lidskou delohu in vitro. /Effect of acetylcholine, adrenaline and histamine on the human uterus in vitro/ Cesk. gyn. 15:4-5 1950 P. 257-67

1. Of the Second Gynecological Obstetrical Clinic (Head -- Prof. J. Lukas, M.D.) and of Third Gynecological Obstetrical Clinic (Head-- Prof. J. Trapl, M. D.) both of Charles University in Prague, and of the Pharmacological Institute (Head--Prof. B. Polak, M.D.) also of Charles University in Prague.

CMML 19, 5, Nov. 50

POLASEK, Ferdinand, MUDr.

Electrocoagulation of the vulva. Cesk. gyn. 21 no.3:210-214
Apr 56.

1. Z gyn. por. odd. KUNZ v Liberci, prednosta primar MUDr.
Ferdinand Polasek.

(VULVA, neoplasms,
surg., electrocoagulation.(Cz))
(DIATHERMY, in various diseases,
electrodiathermy in cancer of vulva. (Cz))

POLASEK, F., Prim., Dr.

Unusual indication for cesarean section; internal lateral
right aortic aneurysm, aortic stenosis, mitral insufficiency.
Cesk. gyn. 21-35 no.1:39-40 Feb 56.

1. Gyn. por. odd. KUNZ Liberec, prednosta prim. MUDr.
F. Polasek.

(CESAREAN SECTION, in various diseases,
aortic aneurysm with compl. (Cz))

(AORTIC ANEURYSM, in pregnancy,
cesarean section.(Cz))

POLASEK, Ferdinand

~~Puerperal mastitis.~~ Cesk. pediat. 12 no.3:226-231 Mar 57.

1. Gyn. por. odd. KUNZ v Liberci. Prednosta prim. MUDr.
Ferd. Polasek.

(PUERPERIUM, compl.
mastitis (Cz))

(MASTITIS, case reports
puerperal, statist. (Cz))

POLASEK, Ferdinand, MUDr.

Analysis of perinatal mortality. Cesk. gyn. 22/36 no.1-2:
103-108 Feb 57.

1. Gyn.-por. odd. KUNEZ v Liberci. Predn. prim. MUDR
Ferdinand Polasek.
(INFANT MORTALITY, statist.
perinatal (Cs))

POLASEK, Ferdinand MOBILKOVA, Jitka

What can be expected from chlorpromazine in the treatment of functional
metrorrhagia? Cesk. gyn. 26[40] no.8:642-644 J1 1961.
(CHLORPROMAZINE ther)
(MENORRHAGIA AND METRORRHAGIA ther)

LADNDAU, J.; PROCHAZKA, J.; POLASEK, F.

Studies on mixing. Pts. 15-16. Coll Cz Chem 28 no. 5:
1093-1109 My '63.

1. Institute of Chemical Process Fundamentals, Czechoslovak Academy of Sciences, Prague (for Landau and Prochazka).
2. Department of Chemical Engineering, Institute of Chemical Technology, Prague (for Polasek).

KOBILKOVA, J.; POLASEK, F.

Cytological examination of the effect of chlorpromazine on hyperestrin disorders of the menstrual cycle. Cesk. gynek. 27 no.9:641-642 N '62.

1. I gyn.-per. klin., prednosta prof. dr. K. Klaus, DrSc., OUNZ
Praha-zapad.

(METRORRHAGIA)	(CHLORPROMAZINE)	(ESTROGENS)
(PREGNANEDIOL)	(MENORRHAGIA)	

I 31776-65 ENT(d)/FS(m)/ENT(1)/ENT(m)/ENT(w)/ENT(v)/T-2/ENT(k)/FCS(k)/
 EIA(h)/EIA(1) Pd-1/Pe-5/Pq-4/Pf-4/Peb EM

ACCESSION NR: AP4046511

R/0019/64/009/003/0617/0666

AUTHOR: Polasek, H. (Doctor, Candidate of sciences)

TITLE: Wing profile within an inhomogeneous field of flow

SOURCE: Revue Roumaine des sciences techniques. Serie de mecanique appliquee,
 v. 9, no. 3, 1964, 617-666

TOPIC TAGS: aerodynamics, second order flow, inhomogeneous flow, thin wing, thick wing, bent wing profile

ABSTRACT: During the calculation of flows around moderately bent profiles, one usually introduces a simplification by assuming that the curls and divergencies are located along the chord of the profile instead of positioning them along its skeleton. The resulting first order theory is mathematically transparent but generates inaccuracies during the calculation of contour velocities and of effects resulting from the finite wing thickness. A more rigorous mathematical analysis shows that the theory of infinitely thin profiles actually neglects only third order terms while the second order terms are not present only because they "drop out" automatically. In the case of finite thicknesses, however, the second order terms become essential, especially near the incident edge. Consequently, the author has developed a complete second order theory for flows around

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moderately bent, not too thick, profiles within inhomogeneous fields of flow. It is suitable for the solution of direct as well as indirect problems of the profile theory. The first part of this comprehensive study develops the actual theory, while the second part contains a reformulation of the theory yielding equations suitable for numerical calculations. Numerical formulas are applied to the cases of flow around a symmetric and a bent profile within a homogeneous field of flow. The calculation is then extended to the flow around the same profiles organized into a lattice. Calculation may also be carried out in the case of inhomogeneous flows. The theory may also be developed further to the case of strongly bent profiles using the approach presented earlier by the author (Aplikace mat., 1, 1956, pp. 44-58, 119-135). The above-mentioned calculations were carried out on an AUSE-23 computer. Orig. art. has: 172 formulas, 16 figures, and 1 table.

ASSOCIATION: Staatliches Forschungsinstitut für Wärmetechnik, Prague
(State Heat Technology Research Institut)

SUBMITTED: 14Oct63

ENCL: 00

SUB CODE: ME, AC

NO REF SOV: 008

OTHER: 000

Card 2/2

LUHAN, Jaroslav, dr.; POLASEK, Jan, dr.

Activities of people's committees in the field of labor law.
Prace mzda 10 no.4:179-183 Ap '62.

JIRA, Vladimir, dr.; BERNARD, Frantisek, dr.; URBANEC, Alfons, dr.;
LUHAN, Jaroslav, dr.; VOZKA, Vladimir, dr.; POLASEK, Jan, dr.;
PAVLATOVA, Jarmila, dr.; SVATOSOVA, Marie, dr.

Comments on the individual parts of the draft of the Czecho-
slovak labor code. Prace mzda 11 no. 1:15-60 Ja'63

(MIRA 17:8)

1. Pracovne pravni oddeleni, Ustredni rada odboru (for Jira,
Bernard, Urbanec, Luhan, Vozka, and Polasek).. 2. Pracovne
pravni komise, Ustredni rada odboru (for Pavlatova and
Svatosova).

POLASEK, Jan, dr., CSc.

Hodographic method for flow fields with singularities.
Aplikace mat 8 no.5:321-340 '63.

1. Statni vyzkumny ustav tepelne techniky, Praha 1, Huscva 8.

POLASEK, Jan, dr.

Assistance of the youth work brigades. Prace mzda 10 no.9:428-
431 S '62.

POLASEK, Jan, dr.

Regulation of the care for preganant women and mothers
according to the Law on the Increase of Care for Pregnant
Women and Mothers. Prace mzda 12 no. 4:181-189 Ap '64.

POLASEK, Jan, dr., C.Sc.

Calculation of the bypassing of circular blade cascades.
Stroj cas 13 no.5:428-499 '62.

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ZOUBEK, Ratmir; POLASEK, Jaroslav; technika spoluprace HAMAK, Vladimir

Anequidistance glasses-correction for binocular vision in unilateral aphakia. I. Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad Kral) 5 no.1:73-86 '62.

1. Očni klinika; prednosta prof. MUDr. M. Klíma VUZORT Praha; reditel RNDr. M. Jahoda.

(LENS CRYSTALLINE)

(EYEGLASSES)

Distr: 4F1

Poláček, Jan. Annular blade in axially-symmetric flow.
 Apl. Mat. 1 (1956), 334-375. (Czech. Russian and English summaries)

The author has previously found an approximate solution to the problem of an annular blade in axi-symmetric flow. It was published in a paper with this same title [Výzkumná Zpráva VÚTS VT-Z 5326]. In this paper the author presents a much more accurate theory. He solves the equations controlling the phenomenon and obtains:
 a) an expression for the distribution of vortex rings on the blade in terms of a trigonometric series; b) formulas for two components of the primary velocity multiplied by the distance from the axis of symmetry in terms of trigonometric series. The recurrence relation for the coefficients of the last series is very complicated. A numerical example shows that the computational work is considerable, even if one retains just a few terms of the series. It seems that a numerical solution on a high-speed digital computer is preferable.

T. Leser (Aberdeen, Md.)

adp

ZOUBEK, Ratmir; POLASEK, Jaroslav; HAMAK, Vladimir

Anequidistant spectacles — correction for binocular vision in unilateral aphakia. II. Sborn.ved.prac.lek.fak. Karlov.Univ. (Hrad. Kral.) 6 no.4: Supplement:523-538 '63.

1. Oční klinika; (prednosta: prof. MUDr.M.Klima) Karlov. Univ. v Hradci Kralove a Vyzkumny ustav zvukove, obrazove a reprodukcní techniky, Praha (reditel: RNDr.M.Jahoda).

POLASEK, J.

"The 9th International Congress for Applied Mechanics in Brussels."

p. 232 (Institute of Mathematics, Czechoslovak Academy of Sciences) Vol. 2, no. 3, 1957

SO: Monthly Index of East European Accessions (EEA) LC, VOL.7, no. 5, May 1958

POLASEK, J.

Turbulent flow in the gap between two cylinders when the inner cylinder is rotating. p. 82.

(Elektrotechnicky Obzor, Vol. 46, no. 2, February 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions. (EEAL) LC. Vol. 6, No. 6, June 1957. Uncl.

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9th International Congress for Applied Mechanics in Brussels.

p. 231 (CASOPIS PRO PESTOVANI MATEMATIKY) Vol. 82, no. 2, May 1957,
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

104456K, Jm

Distr: 427c

Theory of iron oxidation. Bohumil Ptenosil and Jan Polásek. *Hutnické listy* 10, 908-15(1958).—The work is based upon the elaboration of an original analysis of the kinetics of growth of multiphase oxide layers: (1) The growth of different sublayers need not be mutually independent. (2) The analysis given permits a detn. of the growth relation of different sublayers. (3) It is shown that the growth of different sublayers and consequently even the growth of the whole oxidation layer is controlled, independently of the actual diffusion mechanisms, during the isothermal process by the parabolic law. (4) The principal importance of the analysis given on the kinetics of Fe oxidation is the fact that, even in the case of multiphase interfaces, it permits the detn. experimentally ascertained thickness values of different sublayers the respective products of the values of diffusion coeff. of the migrating component and of concn. (or activity) differences of migrating component on the phase boundaries. 20 references.

Petr Schneider

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POLASEK, J.

Calculating flow for cascades of thin, strongly arched profiles. p. 325

APLIKACE MATEMATIKY. (Ceskoslovenska akademie ved. Matematicky ustav) Praha,
Czechoslovakia, Vol. 3, no. 5, 1958

Monthly List of East European Accessions (EMAI), LC, Vol.8, No. 12,
December 1959
Uncl.

POLASEK, J., inz., ČSC.

Problems of measurement of the stray light in optical systems.
Jemna nech opt 9 no.2323-47 P'64

1. Vyzkumny ustav zvukove, obrazove a reprodukcní techniky,
Praha.

POLASEK, Jan,dr.

Airfoil section in nonuniform flow. Rev mec appl 9 no. 3:
617-666 '64.

1. State Research Institute of Heat Technology, Prague.

POLASEK, Jan, dr.

Some problems of implementing the Law No.58/1964 Collection
of Laws on the Increased Care for Pregnant Women and
Mothers. Prace mzda 12 no.8:379-383 Ag'64

POLASEK, J.

A comment on Frantisek Slepicka's article "Calculating potential Flow Around a Blade Airfoil". p. 291

APLIKACE MATEMATIKY (Ceskoslovenska akademie ved. Matematicky ustav)
Praha, Czechoslovakia

Vol. 4, no. 5, 1959

Monthly list of East European Accessions (EEAI) LC. VOL. 9, no. 1 January 1960

Uncl.